TABLE 26-1

U.S. residing employed doctoral scientists and engineers, by selected demographic and employment-related characteristics, primary or secondary work activity, and sector of employment: 2021

(Number and SE)

Characteristic	All employed		4-year educational institution[a]		Other educational institution[b]		Private, for profit[c]		Private, nonprofit		Federal government		State or local government		Self-employed[d]		Other[e]	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Doctorate recipient	872,100	2,425	340,950	2,450	27,800	825	320,850	2,625	60,200	1,300	52,700	1,250	19,650	750	42,650	1,075	7,300	425
Sex																		
Male	543,550	2,350	204,700	2,175	12,600	575	225,900	2,325	32,050	1,025	31,400	1,025	11,500	650	20,900	850	4,450	350
Female	328,500	1,250	136,250	1,375	15,150	600	94,950	1,475	28,150	825	21,250	700	8,200	450	21,750	800	2,850	250
Ethnicity																		
Hispanic or Latino[f]	40,100	475	17,300	525	1,950	150	12,400	425	2,950	250	2,800	200	750	100	1,500	150	500	100
Not Hispanic or Latino[g]																		
American Indian or Alaska Native	1,400	125	600	100	100	50	300	75	150	50	100	50	S	S	50	25	D	D
Asian	219,800	1,600	69,800	1,375	3,350	325	114,300	1,375	12,150	625	8,700	575	4,650	400	4,150	375	2,650	300
Black or African American	31,800	475	13,650	425	2,050	175	7,700	350	2,750	275	2,450	200	1,350	175	1,350	200	450	100
White	562,950	2,075	233,700	2,075	19,900	675	180,150	1,975	40,800	1,025	37,550	1,025	12,550	650	34,750	1,050	3,500	325
Other race[h]	16,000	575	5,850	325	450	75	5,950	425	1,400	175	1,050	150	300	75	750	150	250	125
Age																		
Under 35	99,200	925	34,900	825	1,400	200	46,000	875	8,150	350	5,250	375	1,750	200	750	125	950	200
35–39	130,150	1,225	51,050	1,025	2,950	300	54,200	1,125	9,250	500	6,750	425	2,600	250	2,050	250	1,250	200
40–44	127,550	1,400	50,800	1,175	3,750	300	48,950	1,125	9,950	575	7,950	475	2,400	275	2,850	325	850	175
45–49	111,200	1,250	45,000	875	4,150	350	40,400	1,000	7,350	500	7,600	450	2,500	250	3,250	300	950	175
50–54	104,550	1,225	41,300	975	4,150	350	38,650	1,050	6,650	400	6,750	400	2,350	275	4,000	350	650	125
55–59	98,950	1,375	37,900	925	3,750	325	35,750	975	6,200	400	6,950	500	2,800	325	5,000	350	650	125
60–64	86,450	1,375	35,600	1,000	3,500	275	26,000	825	6,100	425	5,700	350	2,250	250	6,450	425	850	175
65–75	114,100	1,575	44,350	1,175	4,200	400	30,900	975	6,550	400	5,700	500	3,000	350	18,250	800	1,150	175
Citizenship																		
U.S. citizen	746,850	2,200	293,050	2,225	26,700	775	258,950	2,475	53,450	1,225	51,300	1,200	17,650	750	41,050	1,050	4,700	325
Native-born	554,050	1,850	227,850	1,975	21,700	700	170,050	1,900	43,150	1,075	40,550	1,025	12,850	575	34,900	1,025	3,050	275
Naturalized	192,800	1,675	65,150	1,225	5,050	450	88,900	1,450	10,300	600	10,750	575	4,800	425	6,150	450	1,650	200
Non-U.S. citizen	125,250	1,425	47,900	1,150	1,050	200	61,900	1,150	6,750	475	1,400	200	2,000	275	1,600	250	2,600	300
Permanent resident	84,250	1,300	31,000	975	800	200	43,550	975	3,850	350	600	175	1,700	250	1,300	225	1,500	275
Temporary resident	40,950	825	16,900	650	250	75	18,400	625	2,900	350	750	150	350	75	300	125	1,150	200
Years since doctorate																		
≤ 5	141,750	600	55,350	875	3,300	275	56,300	950	12,400	450	7,700	350	3,350	250	2,100	225	1,250	175
6–10	159,000	975	62,400	1,200	4,550	325	62,950	1,150	11,000	550	9,000	525	3,850	325	3,600	350	1,650	250
11–15	137,450	875	53,950	975	4,800	350	52,450	1,125	10,300	600	8,750	425	2,700	300	3,450	400	1,050	150
16–20	108,850	825	44,800	950	4,000	350	37,350	825	6,750	475	8,250	600	2,350	200	4,550	400	800	150
21–25	104,600	950	38,850	950	4,150	350	39,600	875	6,700	400	7,200	425	2,550	275	4,800	400	700	125

TABLE 26-1

U.S. residing employed doctoral scientists and engineers, by selected demographic and employment-related characteristics, primary or secondary work activity, and sector of employment: 2021

(Number and SE)

Characteristic	All employed		4-year educational institution[a]		Other educational institution[b]		Private, for profit[c]		Private, nonprofit		Federal government		State or local government		Self-employed[d]		Other[e]	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
> 25	220,400	1,675	85,600	1,475	6,950	475	72,250	1,200	13,050	625	11,800	650	4,850	475	24,100	950	1,850	250
Primary or secondary work activity[i]																		
Any R&D	523,500	2,725	233,350	1,900	5,500	450	187,750	2,100	35,550	850	32,600	975	10,250	500	14,000	625	4,550	350
Basic research	184,350	2,075	133,900	1,950	2,300	300	18,150	725	13,100	525	10,950	625	2,700	250	2,200	275	1,050	175
Applied research	307,900	2,750	120,100	1,625	2,550	325	115,150	1,725	24,950	800	24,900	875	8,000	450	9,300	500	3,000	275
Experimental development	135,750	1,925	13,150	675	1,050	175	101,400	1,650	5,850	350	5,600	350	2,050	275	4,750	425	1,850	250
Computer applications	92,500	1,525	14,400	625	900	175	61,700	1,250	5,600	400	4,450	325	2,100	225	2,400	325	900	175
Design	68,450	1,425	6,700	425	700	150	47,700	1,250	4,350	325	3,650	325	1,700	250	2,650	325	1,000	175
Management, sales, or administration[j]	369,000	2,700	112,500	1,575	9,250	475	157,550	2,100	30,400	1,000	28,650	875	10,800	500	16,800	725	3,100	300
Professional services	124,600	1,575	20,700	775	3,350	300	47,800	1,250	14,400	625	8,050	500	4,450	450	24,800	825	1,050	150
Teaching	241,550	2,375	198,750	2,225	20,950	700	8,400	525	5,250	450	2,300	300	550	125	4,950	425	400	100
Other work activities[k]	62,100	1,350	16,750	725	2,600	225	24,750	800	4,800	425	6,150	400	2,400	275	4,050	425	700	150

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

SE = standard error.

[a] Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.
[b] Includes 2-year colleges, community colleges, or technical institutes, and other precollege institutions.
[c] Includes those self-employed in an incorporated business.
[d] Self-employed or business owner in a nonincorporated business.
[e] Includes employers not broken out separately.
[f] Hispanic or Latino may be of any race.
[g] American Indian or Alaska Native, Asian, Black or African American, and White are single race.
[h] Other race includes Native Hawaiian or Other Pacific Islander and persons reporting more than one race who are not of Hispanic or Latino ethnicity.
[i] Primary and secondary work activities were self-defined by respondent in response to the question: "On which two activities...did you work the most hours during a typical week on this job?" Detail may exceed total due to multiple responses.
[j] Administration includes accounting, finance, contracts, and human resources.
[k] Includes production, operations, maintenance, and other activities not broken out separately.

Note(s):
Numbers are rounded to the nearest 50. Standard errors are rounded up to the nearest 25. Detail may not add to total because of rounding. Residence location is based on reported living location on 1 February 2021.

Source(s):
National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2021.